



Italia

Scegli la certezza.  
Aggiungi valore.

## FUGITIVE EMISSION TYPE TEST CERTIFICATE

**CERTIFICATE NUMBER:** PO - 722264336 - 01

The undersigned POZZI PAOLO, Inspector of TÜV Italia Srl, did attend at request of

**Company/Manufacturer:** PENTA S.r.l. - Via Giovanni Boccaccio, 23, 25080 Mazzano BS

**order no.** 722264336

with the purpose of witnessing the FUGITIVE EMISSION TEST according to 15848-2015

**Test Specifications:** ISO 15848-1:2015

on the following valve manufactured and assembled in accordance with drawings: Dwg N26000-DPL

### Tested valve

<b>Valve type and figure</b>	BALL VALVE FB AP606
<b>Valve Size</b>	2"
<b>ASME Class</b>	ANSI 600
<b>Stem diameter</b>	∅ 22.5 mm
<b>Packing</b>	GRAPHOIL
<b>Reference standards</b>	EN ISO 15848-1 2015

### Instrumentation

<b>Mass Spectrometer</b>	COMPACT 110/6 90R SN 178F90020
<b>Vacuum Detector</b>	PFEIFFER VACUUM ASM 340 SN HLD2002161
<b>Vacuum pump</b>	/
<b>Test fluid</b>	HELIUM

### Test characteristics

<b>Test Specifications</b>	EN ISO 15848-1:2015
<b>Tightness Class</b>	C
<b>Endurance Class</b>	C01
<b>Temperature Class</b>	RT- 400°C
<b>Performance Class marking</b>	ISO FE CH-C01-SSA1-t(RT, 400°C)-CL600 -ISO 15848-1

TÜV ITALIA S.R.L.  
TÜV SÜD Group

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Cod. Identificazione CEE IT 02055510966  
Capitale sociale : Euro 500.000 int. Vers.



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**Extension of aualification to untested valves**

<b>Valve Types</b>	BALL VALVE FB AP606 – AP10NU – AP10NB – AP10HP – AP11 – AP20 – AP20P – AP40 – AP50 – AP54 – AP58 – AP506 – AP60 – AP64 – AP68 – AP606 – AP609 – AP615 – APT2 – WSJ – WSS – 3PZ
<b>Stem diameter range</b>	11.25 ≤ D ≤ 45.00
<b>ASME Class range</b>	≤ 600
<b>Tightness Class</b>	C

**CONCLUSIONS**

Taking into account the specific testing outfit and the type of leak detector instrumentation used, above described, the recorded leak values satisfy the Fugitive Emission Test as per EN 15848-1 requirements with leaks lower than  $1,78 \times 10^{-4} \text{ mbar} \cdot \text{l}/(\text{s} \cdot \text{mm})$ .

The type of gasket tested satisfies the Fugitive Emission Test as per EN 15848-1 equivalence criteria, taking however into account:

the presence of a test equipment as well as the loading recommended. The present qualification is valid for gaskets of different size but with the same design and material. Any change shall be evaluated and qualified.

**We hereby certify that the above listed item has been tested according to:  
requirements of Fugitive Emission Test as per EN 15848-1, with satisfactory result**



CERTIFICATION DATE  
23/06/2021

